

**Condensed imidazopyridine derivatives with psychotropic activity.****Publication number:** JP5286973 (A)**Publication date:** 1993-11-02**Inventor(s):** TAKADA SUSUMU; SASAYA TAKASHI; CHOMEI NOBUO; ADACHI MAKOTO; MATSUSHITA SUSUMU +**Applicant(s):** SHIONOGI & CO +**Classification:**

**- international:** A61K31/435; A61K31/47; A61P25/20; A61P25/26; A61P25/28; C07D471/04; C07D471/14; C07D491/14; C07D491/17; C07D495/04; C07D495/14; A61K31/435; A61K31/47; A61P25/00; C07D471/00; C07D491/00; C07D495/00; (IPC1-7): A61K31/435; A61K31/47; C07D471/04; C07D471/14; C07D491/147; C07D495/14

**- European:** C07D471/04; C07D471/14; C07D491/14; C07D495/14

**Application number:** JP19930022444 19930210**Priority number(s):** JP19920059347 19920212**Also published as:**

JP2863396 (B2)

EP0556008 (A1)

EP0556008 (B1)

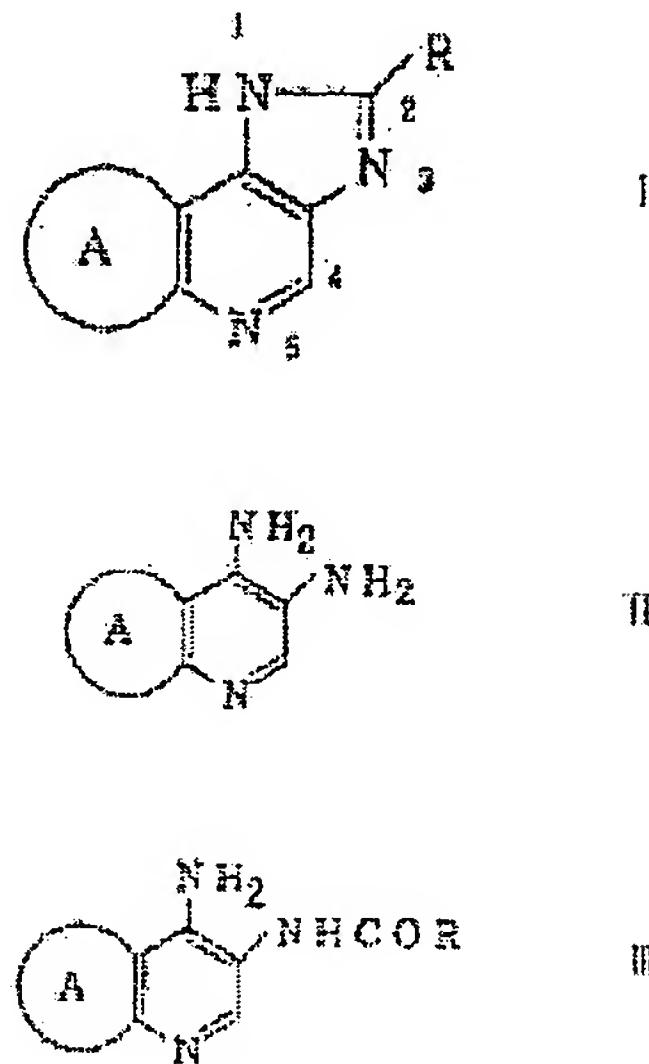
US5378848 (A)

KR100242398 (B1)

[more >>](#)**Abstract of JP 5286973 (A)**

**PURPOSE:** To obtain a novel compound which is useful as an antianxiety agent, a narcotic antagonist or a cerebral function activator because it has high affinity to benzodiazepine receptor.

**CONSTITUTION:** A compound of formula I [R is (substituted) aryl, (substituted) aromatic heterocyclic ring; ring A is an alicyclic ring of 5 to 9 members], for example, 2-(3-isoxazolyl)-1,6,7,9-tetrahydroimidazo[4,5-d]pyrano[4,3-b]pyridine. The compound of formula I is obtained by reaction of a compound of formula II with an acylating agent such as benzoyl chloride in a solvent such as pyridine followed by ring-closing reaction of the resultant compound of formula III.

Data supplied from the *espacenet* database — Worldwide